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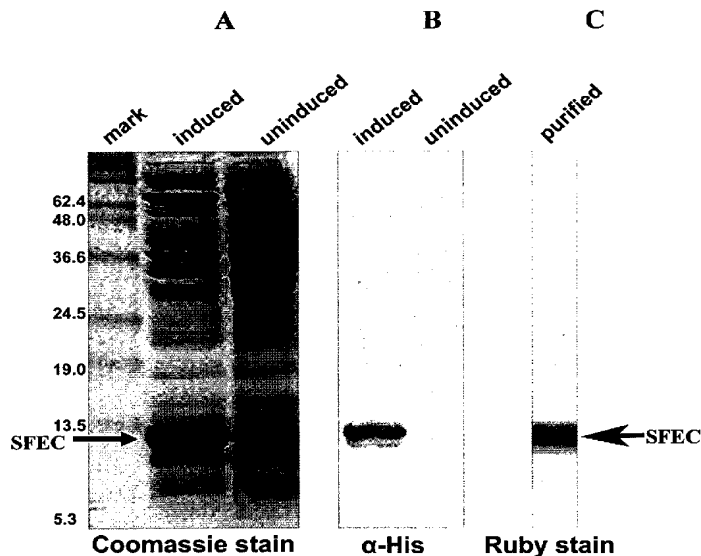
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[Continued on next page]

(54) Title: SFEC, A SPERM FLAGELLAR ENERGY CARRIER PROTEIN

Expression and Purification of recombinant SFEC



(57) Abstract: The present invention is directed to a sperm flagellar energy carrier protein, SFEC, isolated nucleic acids encoding an SFEC protein or peptide, antibodies specific for the SFEC protein, and the use of the SFEC protein to identify antagonists of SFEC activity. The present invention is also directed to methods of contraception encompassing regulating SFEC expression, levels, and function. SFEC is believed to be essential for sperm motility, is localized to a specific region of the sperm, and thus antagonists of SFEC activity are anticipated to have utility as contraceptive agents.

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